

CONSTRUCTION NOTES:

- ① CONTRACTOR TO PROVIDE AND INSTALL A SIMILAR 20A, 1P CIRCUIT BREAKER CONNECTING THE HEATER IN THE 5KV SWITCHGEAR. MATCH EXISTING MAKE, MODEL AND KAIC RATING.
- ② CONTRACTOR SHALL CONFIRM ALL LOADS CONNECTED TO THE BREAKER AND UPDATE THE PANEL SCHEDULE.
- ③ CONTRACTOR SHALL UPDATE THE AS BUILTS FOR ANY INCONSISTENCIES THAT ARE FOUND ON SITE.

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PANEL ID: PANEL A		AMPS: 200A	VOLTS: 120/208V	PHASE: 3Ø	WIRE: 4W	SURF. MOUNT <input checked="" type="checkbox"/>	FLUSH MOUNT <input type="checkbox"/>	TOP FED <input checked="" type="checkbox"/>	BOT. FED <input type="checkbox"/>							
DESCRIPTION: 120/208V DISTRIBUTION PANELBOARD					LOCATION: ELECTRICAL ROOM											
MFG / MODEL: SQUARE D NQ					INTERRUPTING RATING: 10 kA											
MAIN BREAKER:					INST. SETTINGS: N/A											
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	L1	L2	L3	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.		
1	INTERIOR LIGHTS, EBB #1	1	12	15A	620				300	15A	12	1	MAU-1 CONTROL PANEL	2		
3	EXTERIOR LIGHTS	1	12	15A	200				300	15A	12	1	MAU-1 CONTROL PANEL	4		
5	EXIT SIGNS	1	12	15A	40				300	15A	12	1	MAU-1 CONTROL PANEL	6		
7	RECEPTACLE - WET WELL	1	12	15A	200				1000	30A	8	1	SF-1 CONTROL PANEL	8		
9	RECEPTACLE - WET WELL	1	12	15A	200				1000	30A	8	1	SF-1 CONTROL PANEL	10		
11	RECEPTACLE - MOTOR ROOM	1	12	15A	400				1000	30A	8	1	EF-1 CONTROL PANEL	12		
13	RECEPTACLE - MOTOR ROOM	1	12	15A	400				20A	12	1	1	EF-2, MD-3	14		
15	RECEPTACLE - DRYWELL	1	12	15A	400				15A	12	1	1	EF-3, MD-5	16		
17	CSO PANEL	1	12	15A	1000				15A				SPARE	18		
19	PLC PANEL		12	20A	1000				15A				SPARE	20		
21	RECEPTACLE - SUMP PIT		12	15A					15A				SPARE	22		
23	SPARE			15A					1500	20A	10		SGR-F70 5KV SWITCHGEAR HEATER	24		
25	SPARE			15A					15A				SPARE	26		
27	SPARE			15A									SPACE	28		
29	SPACE			-					-				SPACE	30		
31	SPACE			-					-				SPACE	32		
33	SPACE			-					-				SPACE	34		
35	SPACE			-					-				SPACE	36		
37	SPACE			-					-				SPACE	38		
39	SPACE			-					-				SPACE	40		
41	SPACE			-					-				SPACE	42		
TOTAL CONNECTED LOAD:			KVA	LINE 1:	KVA	A	NOTE LEGEND:			AFCI ARC FAULT CIRCUIT INTERRUPTOR GFCI GROUND FAULT CIRCUIT INTERRUPTOR LOCK LOCKED BREAKER						
			A (AVG)	LINE 2:	KVA	A										
			A (MAX)	LINE 3:												
NOTES:																
1. THIS IS AN EXISTING PANELBOARD.																
2. ALL CABLES/WIRING SIZES CONNECTED TO PANEL ARE ASSUMED.																
3. ALL BRANCH BREAKERS ARE SINGLE POLE UNLESS OTHERWISE IDENTIFIED.																

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1-0163F-E0004-001	MISSION FLOOD PUMPING STATION 5KV SWITCHGEAR THREE-LINE SCHEMATIC
1-0163F-E0001-001	MISSION FLOOD PUMPING STATION SINGLE LINE DIAGRAM
DRAWING NUMBER	REFERENCE DRAWINGS



00	ISSUED FOR TENDER AND CONSTRUCTION	2024/12/20	PG	VE
NO.	REVISIONS	DATE	DESIGN	CHECK

AtkinsRéalis
 148 Nature Park Way, Winnipeg, Manitoba
 Canada R3P 0X7 204-786-8080

DESIGNED BY: P.GILL
 CHECKED BY: V. ELIMBAN
 DRAWN BY: P.GILL
 APPROVED BY: D. BECKER
 SCALE: NTS
 ISSUED FOR CONSTRUCTION BY: B. SOLOWAY
 DATE: 2024/11/18
 DATE: 2024/12/20
 CONSULTANT NO.: 701408

ENGINEER'S SEAL

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

MISSION FLOOD PUMPING STATION
 2025 TRANSFORMER REMEDIATION UPGRADES
 PANEL A
 PANEL SCHEDULE

CITY DRAWING NUMBER: 1-0163F-E0005
 SHEET: 001
 REV.: 00
 SIZE: A1